

AMENDMENTS TO THE CLAIMS:

Amend Claims 1-20 as follows and add Claim 21:

Claims 1-20 are pending in the application. This listing of claims will replace all prior versions, and listings, of the claims in the application:

1. (Currently amended) A method for filling pores (2) between two adjacent layers (1', 1") of a laminate for a component with high demands upon strength and comprising several layers of fibre composite having within each layer substantially parallel fibers (5) embedded into a matrix (6), in which at least said two adjacent layers have fibre directions differing substantially, which comprises the steps of:

a) creating a connection path, through which a medium may move inside the laminate[,]
~~is created~~ between the exterior of the laminate and the pore,

b) applying a flowing, curable material ~~is applied~~ at one outer surface of the laminate and ~~brought to fill~~ filling the pore through said connection path, and

c) curing the material filling the pore ~~is brought to cure~~,
wherein ~~characterized in that~~ in step a), said connection path is created by exposing
~~exerting~~ the laminate at least in the region of said pore to forces making thin slots or fissures
(4) propagating substantially in the matrix through each laminate layer along the fibre direction of the layer.

2. (Currently amended) A method according to claim 1, ~~characterized in that~~ comprising
in step a), the additional step of cooling said laminate ~~is cooled~~ at least in the region (3) of said pore (2) to a sufficiently low temperature ~~so as to make~~ such that the matrix material contracts
between said fibres to ~~contact that much that~~ thereby create said thin slots or fissures (4) ~~are created~~ along the fibres.

3. (Currently amended) A method according to claim 2, ~~wherein characterized in that~~ in step a), the cooling is carried out to a temperature below -70°C , ~~preferably below -150°C~~ .

4. (Currently amended) A method according to claim 2, ~~wherein characterized in that~~ in step a), said laminate it is cooled by applying liquid nitrogen or carbon dioxide snow on the laminate.

5. (Currently amended) A method according to claim 2, comprising the additional steps of:

~~restricting characterized in that~~ a region (3) of the outer surface of the laminate right in front of said pore (2), ~~is restricted and~~

in step a), applying cooling medium ~~is applied~~ on the laminate only within the restricted region.

6. (Currently amended) A method according to claim 1, ~~wherein characterized in that~~ in step a), said connection path is created by exposing ~~exerting~~ the laminate to such outer forces in planes ~~transversal~~ transverse to the fibre direction of the layers of the laminate, such that the thin slots or fissures (4) propagate through each layer along the fibre direction of the layer.

7. (Currently amended) A method according to claim 6, ~~wherein characterized in that~~ the forces applied in step a) are maintained during step b) ~~so as to act to open the thin slots or fissures~~ (4) and facilitate transport of the flowing material to the pore (2), and that after the filling in step b), said forces are removed before the curing step c) for automatically pressing superfluous flowing material out of the slots.

8. (Currently amended) A method according to claim 1, comprising the additional step of: ~~characterized in that~~

directly before and/or in connection with step b), heating the laminate is at least in the region of said pore (2) ~~heated~~ to a temperature necessary for making said flowing material to ~~be a~~ thinly fluid.

9. (Currently amended) A method according to claim 1, wherein ~~characterized in that~~ in step b), outer forces are applied on the laminate in planes transverse ~~transversally~~ to the fibre directions of the different layers so as to open said thin slots or fissures (4) when applying the flowing material on the outer surface of the laminate for facilitating the transport of the flowing material to said pore (2).

10. (Currently amended) The method according to claim 1, comprising the additional step of, ~~characterized in that~~ in step b), applying a negative air pressure is applied on the laminate on the an opposite side thereof with respect to the from an outer surface of the laminate on which the flowing material is applied, so as to facilitate the transport of the flowing material into the laminate through the thin slots or fissures (4).

11. (Currently amended) The method according to claim 1, comprising the additional step of providing ~~characterized in that it is carried out on~~ a laminate with layers of carbon fibre epoxy.

12. (Currently amended) The method according to claim 1, comprising the additional step of providing ~~characterized in that it is carried out on~~ a laminate with layers of glass fibre polyester.

13. (Currently amended) The method according to claim 1, wherein ~~characterized in that~~ in step b), an epoxy glue is applied as said flowing, curable material.

14. (Currently amended) The method according to claim 8, wherein ~~characterized in that~~ said heating is carried out to a temperature exceeding +40°C.

15. (Currently amended) The method according to claim 1, comprising the additional step of providing ~~characterized in that it is carried out in~~ a laminate in which the fibre direction of ~~the a~~ respective layer makes an angle of 30 - 90 ° with the fibre direction of adjacent layers.

16. (Currently amended) The method according to claim 1, comprising the additional step of providing ~~characterized in that it is carried out on~~ a laminate having a thickness of each individual layer between 0.05 and 0.2 mm.

17. (Currently amended) The method according to claim 1, comprising the additional step of providing ~~characterized in that it is carried out on~~ a laminate composed by of 4 -200 superimposed said layers.

18. (Currently amended) The method according to claim 1, comprising the additional step of filling, in step b), ~~characterized in that it is carried out for filling said~~ pores having an area of at least 36 mm².

19. (Currently amended) The method according to claim 1, wherein ~~characterized in that~~ one or more pores are filled for a component for a flying vehicle or a space craft.

20.(Currently amended) A method according to claim 3, wherein ~~characterized in that in step a), said laminate~~ it is cooled by applying liquid nitrogen or carbon dioxide snow on the laminate.

21.(New) A method according to claim 3, wherein the cooling is carried out to a temperature below -150°C.